

Work Order ID 148809

July 08, 2016 10:36:09 AM

148809

Page 1

Item ID: PB67-43001-45

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Longitudinal Support

Start Date: 7/8/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 8/3/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: SH Date: 7/17/16 Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start ***NR1***Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
B67-43001-45	c								

100

0.00

100

Small Fab

Small Fab

Memo

0.05

Small Fab

1- Align drill -97 and -357 using existing pilot hole of -357 as per dwg

2- install spring pin

1 16-08-03

110

0.00

110

QC5- Inspect part completeness to step on W/O

QC

Memo

0.00

Quality Control

1 AUG 03 2016 **DAS 24 9-00**

120

0.00

120

Green Sandtex(Ref:4.3.5.8) per QSI005 4.3

Powdercoat

Memo

0.01

Powder Coating

START TIME: 2:00pm
OVEN TEMPERATURE: 320°F
FINISH TIME: 2:30pm

1 16/08/22

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

Work Order ID 148809

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Item ID: PB67-43001-45

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Longitudinal Support

Start Date: 7/8/2016 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 8/3/2016 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

130 QC3- Inspect Part Finish 0.00

130

QC

Memo

0.00

Quality Control

DAS
38
9-89
AUG 23 2016

140 Small Fab 0.00

140

Small Fab

Memo

0.07

Small Fab

Assemble parts as per dwg

1 16-07-23

150 QC5- Inspect part completeness to step on W/O 0.00

150

QC

Memo

0.00

Quality Control

1x AUG 23 2016 DAS
24
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QS1042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

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148809

Page 3

Item ID: PB67-43001-45

Accept

N900040100Setup Start ***NS1***

Revision ID:

Item Name: Longitudinal Support

Stop ***NS2***Start Date: 7/8/2016 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 8/3/2016 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

160

Identify as per dwg & Stock Location: Mezz2 0.00***160***

Packaging

Memo

0.00

Packaging

1 6-07-2016 23

170

QC21- Final Inspection - Work Order Release 0.00

170

QC

Memo

0.02

Quality Control

DAS
21
9-89

AUG 24 2016

DAS
21
9-89

AUG 24 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
				Completed By					
				Lead hand / Supervisor Approval Verification					
				QC / QA Coordinator Approval					

Root Cause			FAULT CATEGORY					
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐			
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐			
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐			
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐			
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐			
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐			
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐			
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐			
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐			
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐			
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____						
Misidentified ☐	Past Due ☐							

Picklist Print

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Page 1

Work Order ID: 148809

148809

Parent Item: PB67-43001-45

PB67-43001-45

Parent Item Name: Longitudinal Support

Start Date: 7/8/2016

Required Date: 8/3/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:A 08-07-25 new issue DD verified by:ec

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
PB67-43001-97 *PB67-43001-97* Clevis		Manufactured	No			100	Each	0.0000	1	1			DAS 24 9-89
									**	3148808	9102 E 2 90V		
PB67-43001-357 *PB67-43001-357* Tube Arm		Manufactured	No			100	Each	2.0000	1	1		AUG 23 2016	DAS 24 9-89
									**				
					<u>Location</u>			<u>Loc Qty</u>		<u>Loc Code</u>			
					WA004			2					
					142413			2					
240-107 *240-107* SPRING SLOTTED PIN		Purchased	No			100	Each	204.0000	1	1		AUG 23 2016	DAS 6 9-89
									**				
					<u>Location</u>			<u>Loc Qty</u>		<u>Loc Code</u>			
					ST579			204					
					m132006			36					
					m134651			168					
D3447-1 *D3447-1* Round Spacer		Manufactured	No			140	Each	12.0000	1	1		AUG 23 2016	DAS 24 9-89
									**				
					<u>Location</u>			<u>Loc Qty</u>		<u>Loc Code</u>			
					Mezz2			12					
					142214			12					

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step # : _____		QTY Effective : _____			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	

Root Cause				FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER : _____ _____ _____							
Misidentified	☐	Past Due	☐								

Picklist Print

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Page 2

Work Order ID: 148809

148809

Parent Item: PB67-43001-45

PB67-43001-45

Parent Item Name: Longitudinal Support

Start Date: 7/8/2016

Required Date: 8/3/2016

Start Qty: 1.00

Required Qty: 1.00

D3447-5 Manufactured No 140 Each 1.0000 1 1

D3447-5

Clevis

AUG 23 2016

Location	Loc Qty	Loc Code
Mezz2	1	
133688	1	
	140	18.0000

DAS
6
9-89

30345T21 Purchased No

30345T21

LANYARD

Location	Loc Qty	Loc Code
ST570	6	
M132610	6	
ST581	12	
M135014	12	
	140	549.0000

DAS
6
9-89

AN4-13A Purchased No

AN4-13A

Bolt

Location	Loc Qty	Loc Code
FG	20	
122808	20	
GA	59	
m134167	35	
m134634	24	
over003	100	
m134943	100	
ST343	370	
m134852	370	

DAS
6
9-89

AUG 03 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

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Work Order ID: 148809

148809

Parent Item: PB67-43001-45

PB67-43001-45

Parent Item Name: Longitudinal Support

Start Date: 7/8/2016

Required Date: 8/3/2016

Start Qty: 1.00

Required Qty: 1.00

BSP43 Purchased No 140 Each 44.0000 1 1

RSP43

RIVET

DAS
6
9-89

Location

Loc Qty

Loc Code

ST558

44

M132703

44

MS17984-C410

Purchased No

140 Each 5.0000 1 1

MS17984-C410

QUICK PIN REPLACEMENT

DAS
6
9-89

Location

Loc Qty

Loc Code

ST315

5

m128051

5

MS21042L4

Purchased No

140 Each 2,587.000 1 1

MS21042L4

Locknut

DAS
6
9-89

Location

Loc Qty

Loc Code

FP001

51

m133363

51

GA

156

m133769

156

OVER007

1000

m135127

1000

ST3003

500

m134955

500

ST303

786

m127376

12

m134861

274

m135058

500

ST305

94

m130922

94

AUG 03 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor Approval Verification		
			QC / QA Coordinator Approval		
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

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Work Order ID: 148809

148809

Parent Item: PB67-43001-45

PB67-43001-45

Parent Item Name: Longitudinal Support

Start Date: 7/8/2016

Required Date: 8/3/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0416J

Purchased

No

140

Each

3,903.000

2

2

NAS1149D0416.J

WASHER

Location

Loc Qty

Loc Code

GA

119

m131511

119

ST260a

1984

m131511

1984

ST264

1800

m131511

1800

NAS1149DN416J

Purchased

No

140

Each

772.0000

1

1

NAS1149DN416.J

Washer

Location

Loc Qty

Loc Code

GA

118

124983

118

ST265

654

124968

654

DAS
6
9-89

DAS
6
9-89

AUG 03 2016

DQA: _____ Date: _____

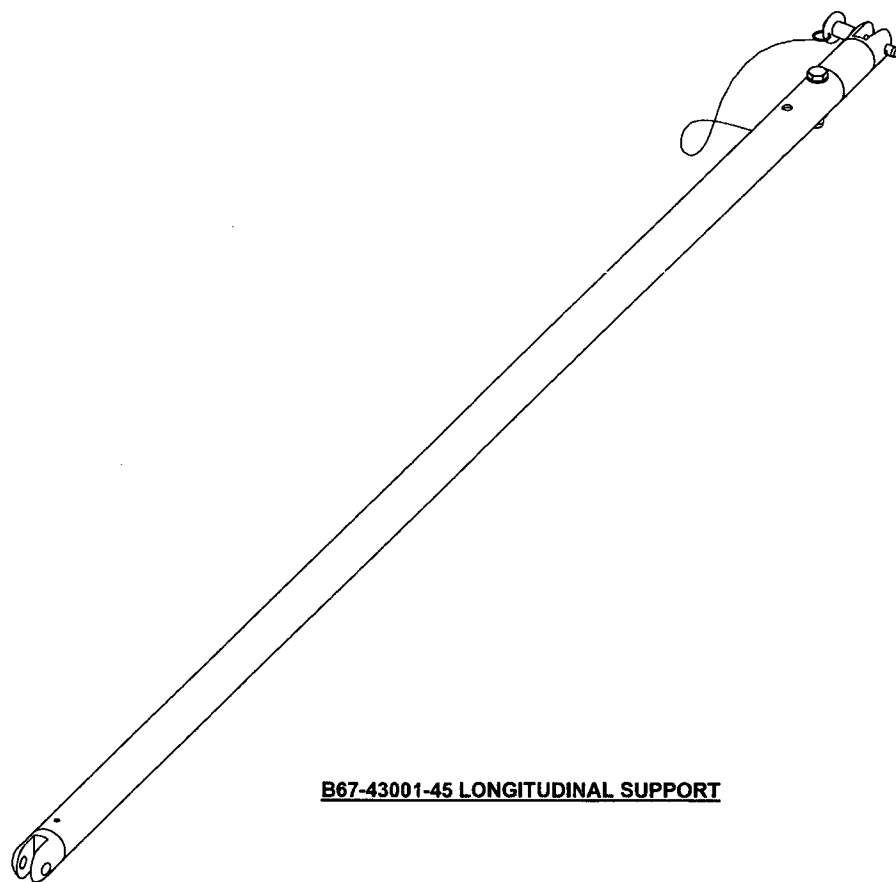


WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																																																																	
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																																																																	
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Large Fab ☐	Composite ☐	Supplier ☐																																																																		
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval																																																																
Description Work Order Deviation		Disposition		Completed By																																																																
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OTHER : _____																																																																				



B67-43001-45 LONGITUDINAL SUPPORT

ITEM	QTY -45	P/N	DESCRIPTION
1	X	B67-43001-45	LONGITUDINAL SUPPORT
3	1	B67-43001-97	CLEVIS
4	1	B67-43001-357	TUBE ARM
5	1	D3447-1	ROUND SPACER
6	1	D3447-5	CLEVIS
8	1	30345T21	LANYARD
9	1	AN4-13A	BOLT
10	1	CR3213-4-2	RIVET (OR BSP43-2)
11	1	MS17984-C410	QUICK RELEASE PIN
12	1	MS21042L4	NUT
13	1	MS171534	SPRING SLOTTED TENSION PIN (OR 240107)
14	2	NAS1149D0416J	WASHER
15	1	NAS1149DN416J	WASHER

RELEASED
2009-08-24

7/12/16
SH 148809

C	REDRAWN PREMIER AVIATION DRAWING IAW DART QSI 018 AND QSI 043. FOR PREVIOUS REVISIONS, REFER TO SHEET 13 OF PREMIER AVIATION DRAWING No. B67-43001. REASON: SEE PAR#09-011.		MB	09.06.25
REV.	DESCRIPTION		BY	DATE
DESIGN	RW	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
DRAWN	AS	DRAWING NO.	REV. C	
CHECKED	AS	B67-43001-45	SHEET 1 OF 2	
MFG. APPR.	AS	TITLE	SCALE	
APPROVED	MP	LONGITUDINAL SUPPORT	NTS	
DE APPR.	N/A			
DATE	09.06.25			
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B67-43001-97
2 CLEVIS

B67-43001-357
2 TUBE ARM

10 CR3213-4-2 RIVET
NAS1149DN416J WASHER
(30345T21 LANYARD NOT SHOWN
ON THIS VIEW FOR CLARITY)

D3447-1
ROUND SPACER

AN4-13A BOLT
NAS1149D0416J WASHER, 2X
MS21042L4 NUT

9

0.50
8

9

MS171534 2 8
SPRING SLOTTED TENSION PIN

10 30345T21 LANYARD

MS17984-C410
QUICK RELEASE
PIN

9
2 PL

D3447-5
CLEVIS

B67-43001-45 LONGITUDINAL SUPPORT

RELEASED
2009-09-24

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: POWDER COAT GREEN SANDEX (4.3.5.8) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.99 lbs
- 8) PRIOR TO POWDER COAT, ALIGN B67-43001-97 ON B67-43001-357 AS SHOWN AND DRILL A $\phi 0.129$ HOLE THROUGH BOTH PARTS. FASTEN B67-43001-97 TO B67-43001-357 USING MS171534 SPRING SLOTTED PIN.
- 9) MASK PRIOR TO POWDER COAT
- 10) BEFORE OR AFTER POWDER COAT, DRILL A $\phi 0.129$ HOLE IN B67-43001-357 TO INSTALL THE LANYARD. DRILL THROUGH ONE WALL ONLY. AFTER POWDER COAT, INSTALL 30345T21 LANYARD ON B67-43001-357 AS SHOWN USING CR3213-4 TYPE RIVET AND NAS1149DN416J WASHER.

DESIGN	RW	DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED	SS	DRAWING NO.	REV. C
MFG. APPR.	AD	B67-43001-45	SHEET 2 OF 2
APPROVED		TITLE	SCALE
DE APPR.	N/A	LONGITUDINAL SUPPORT	NTS
DATE	09.06.25	COPYRIGHT © 1995 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	